M5 Hiper Lipo2000 Transfection Reagent
使用说明书

产品名称	单位	货号
M5 Hiper Lipo2000 Transfection Reagent	0.75 ml	MF135-01
M5 Hiper Lipo2000 Transfection Reagent	1.5 ml	MF135-02

【储存条件】
长期保存，请置于 **4˚C** (切勿结冰冻住)。

【产品简介】
M5 Hiper Lipo2000 Transfection Reagent is a proprietary formulation for transfecting nucleic acids into a wide range of eukaryotic cells. DNA-Lipo 2000 complexes must be made in serum-free medium such as Opti-MEM® Reduced Serum Medium and can be added directly to cells in culture medium, in the presence or absence of serum/antibiotic. It is not necessary to remove complexes or change/add medium after transfection. The amount of Lipo 2000 Reagent required for successful transfection varies depending on the cell type and passage number. Start any new transfection by testing the recommended four concentrations of Lipo2000 Reagent to determine an optimum amount.

【产品组分】

	MF135-01	MF135-02
M5 Hiper Lipo2000 Transfection Reagent	0.75 ml	1.5 ml

【实验前准备】

1. Plate cells so they will be 70–90% confluent at the time of transfection.
2. Prepare plasmid DNA-lipid complexes.
3. Add DNA-lipid complexes to cells.

【操作步骤】

A、Lipo2000 DNA Transfection Reagent Protocol（具体方法见后面）

Component	96-well	24-well	6-well
Final DNA per well	100 ng	500 ng	2500 ng
Final Lipo2000 Reagent per well	0.2–0.5 µL	1.0–2.5 µL	5.0–12.5 µL

B、Co-Transfection of Plasmid DNA and siRNA

Transfect plasmid DNA and siRNA at the same time using Lipo2000 Reagent by adding 30 pmol (~0.6 µg) of siRNA per 1 µg of DNA.

C、mRNA Transfection

mRNA can be transfected in a 24-well plate using Lipo2000 Reagent by adding 0.5–1 µg of mRNA per well.

D、Lipo 2000 DNA Transfection Reagent Protocol（具体方法）

Transfect cells according to the following chart. Volumes are given on a per-well basis. Each reaction mix is sufficient for triplicate (96-well), duplicate (24-well), and single well (6-well) transfections, and accounts for pipetting variations. Adjust the amounts of components according to your tissue culture format. For additional information on scaling your transfection reaction, see page 1.

Timeline		Steps
Day 0	1	Seed cells to be 70–90% confluent at transfection
	2	Dilute four amounts of Lipo2000 Reagent in Opti-MEM® Medium
	3	Dilute DNA in Opti-MEM® Medium
Day 1	4	Add diluted DNA to diluted Lipo 2000 Reagent (1:1 ratio)
	5	Incubate
	6	Add DNA-lipid complex to cells
Day 2–4	7	Visualize/analyze transfected cells

Procedure Details

Component	96-well	24-well	6-well
Adherent cells	1–4 × 10^4	0.5–2 × 10^5	0.25–1 × 10^6
Opti-MEM® Medium	25 µL × 4	50 µL × 4	150 µL × 4
Lipo2000 Reagent	1, 1.5, 2, 2.5 µL	2, 3, 4, 5 µL	6, 9, 12, 15 µL
Opti-MEM® Medium	125 µL	250 µL	700 µL
DNA (0.5–5 µg/µL)	2.5 µg	5 µg	14 µg
Diluted DNA Total	25 µL	50 µL	150 µL
Diluted Lipo 2000 Reagent	25 µL	50 µL	150 µL
Incubate for 5 minutes at room temperature.			
Component	**96-well**	**24-well**	**6-well**
DNA-lipid complex per well	10 µL	50 µL	250 µL
Final DNA used per well	100 ng	500 ng	2500 ng
Final Lipo 2000 Reagent used per well	0.2–0.5 µL	1.0–2.5 µL	5.0–12.5 µL
Incubate cells for 1–3 days at 37°C. Then analyze transfected cells.			

【备注】
本产品仅供科研使用。在确认产品质量出现问题时，本公司承诺为客户免费更换等量的质量合格产品。